Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	04/07/2020 09:11 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	02/04/2020 09:45 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	80996	Expiration Date:	04/30/2020
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	123996	-1	3.01	123967	2.93
Blue	F	SSC	125000	125071	0	2.34	125834	2.40
Blue	E	FITC	15892	15285	-4	3.05	333	21.27
Blue	D	PE	29999	29503	-2	2.25	642	15.39
Blue	B	PerCP-Cy5-5	43732	43292	-2	3.89	1162	21.10
Blue	A	PE-Cy7	30845	30492	-2	6.33	583	42.41
Red	C	APC	46112	45083	-3	2.59	1596	11.86
Red	A	APC-Cy7	30458	29423	-4	2.46	777	12.07
Violet	B	V450	7918	7443	-6	4.07	418	13.67
Violet	A	V500	32171	30665	-5	3.73	716	10.71

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	16665	12.84	628	7	N/A	N/A	Pass
Blue	F	SSC	56933	1.67	566	7	N/A	N/A	Pass
Blue	E	FITC	60	67.07	544	1	0.0175	129	Pass
Blue	D	PE	134	51.01	551	3	0.1441	248	Pass
Blue	B	PerCP-Cy5-5	213	50.43	658	2	0.0083	18	Pass
Blue	A	PE-Cy7	108	102.79	700	2	0.0100	9	Pass
Red	C	APC	379	25.18	583	-1	0.0263	210	Pass
Red	A	APC-Cy7	171	28.83	555	-1	0.0055	900	Pass
Violet	B	V450	63	61.19	457	-1	0.0426	1731	Pass
Violet	A	V500	108	37.41	474	0	0.0227	1331	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-32.88	-32.12	1.02
Blue	20.35	16.27 - 24.41	1.27	0.99 - 1.49	0.00	0.00	1.45
Red	17.34	13.60 - 20.40	N/A	N/A	29.24	30.04	1.19

Window Extension: 7.00
FSC Area Scaling Factor: 0.89

Threshold

Threshold (FSC): 9637

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments